

Enabling OSBDM DLLs

1 Introduction

This document describes how to enable the FSL OSBDM libraries after installing the service pack for CodeWarrior for Microcontrollers V10.x.

2 Preliminary Background

Below listed are some points that you need to know before proceeding with the enabling of FSL OSBDM libraries:

- There are two OSBDM libraries: Freescale (FSL) and P&E (with MCU 10.1 or higher).
- Classic CW and MCU 10.0 delivers only FSL OSBDM libraries.
- Only the RS08/ S08 and ColdFire V1-4 are supported by FSL OSBDM.
- After installing the service pack, the wizard entries and the launch configuration UI panels are disabled for FSL OSBDM dlls, but the libraries can still be found in the CodeWarrior installation directory:

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- Windows:
`{CodeWarrior_install_dir}\MCU\bin\plugins\support\{HC08|ColdFire}\gdi`
- Linux:
`{CodeWarrior_install_dir}/CodeWarrior/CodeWarrior_Plugins/Support/{HC08|ColdFire}/gdi`

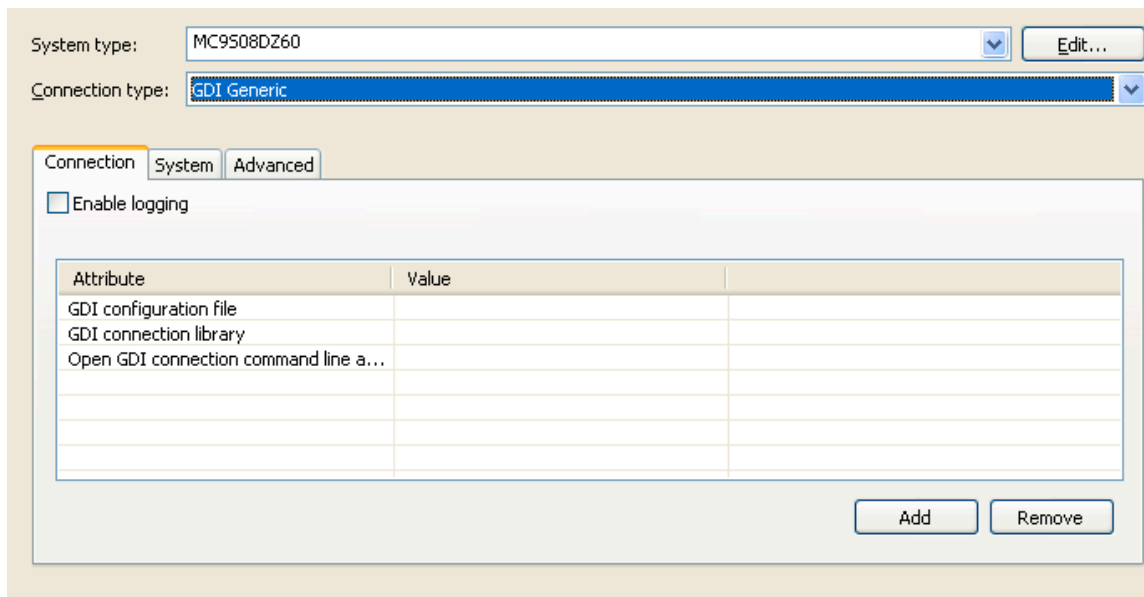
3 Enabling FSL OSBDM Libraries

There are two methods for enabling the user interface plugins for FSL OSBDM libraries:

3.1 First Method (Recommended)

1. Open the RSE connection dialog box and select *GDI Generic* connection (RS08/ HS08/ColdFire). To open the RSE connection dialog box:
 - i) Select **Run > Debug Configurations** from the IDE menu bar. The **Debug Configurations** dialog box appears.
 - ii) In the left panel, select a launch configuration from the **CodeWarrior Downloads** tree control. Launch configuration settings appears in the right panel.
 - iii) In the **Remote System** group, select the desired option from the **System** drop-down list.
 - iv) Click the **Edit** button. The **Properties for <connection_name>** dialog box appears.
 - v) Select *GDI Generic* from the **Connection type** drop-down list (Figure 1.).

Figure 1. GDI Generic Connection Settings



2. Edit the **GDI connection library** property for the appropriate architecture FSL OSBDM run control library path. The directory paths are:
 - Windows:


```
{CodeWarrior_install_dir}\MCU\bin\plugins\support\{HC08|ColdFire}\gdi
```
 - Linux:


```
{CodeWarrior_install_dir}/CodeWarrior/CodeWarrior_Plugins/Support/{HC08|ColdFire}/gdi
```

To edit the GDI connection library attribute:


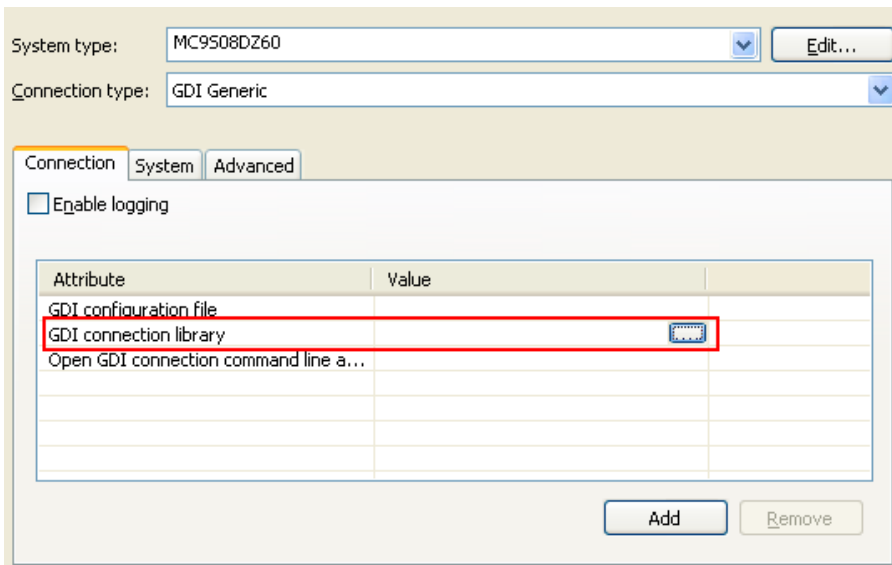
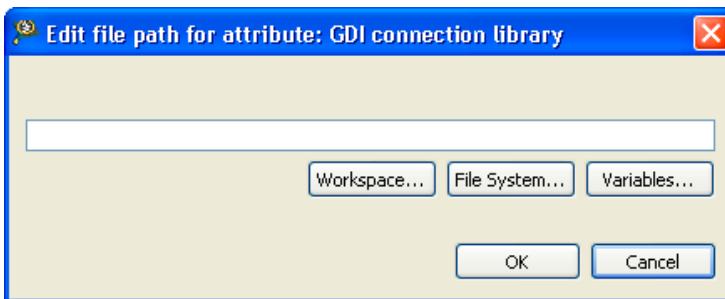
- i) Left-click in the **Value** column of the **GDI connection library** attribute.
A button () appears in the **Value** column.

Figure 2 GDI Generic Connection Settings — Edit Button



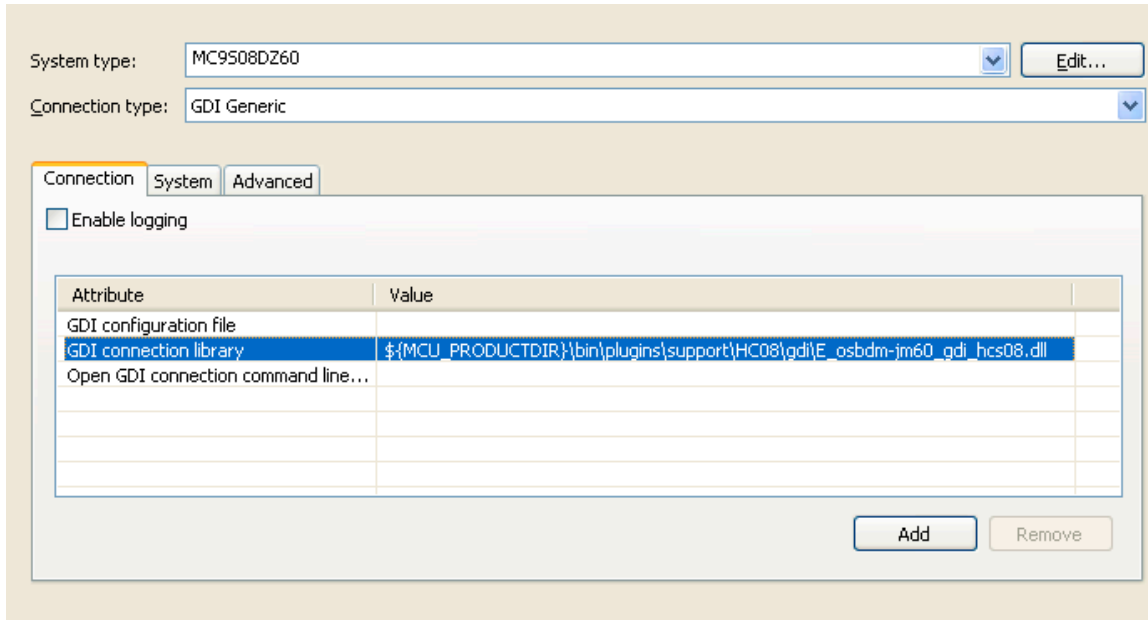
- ii) Click the  button.
The **Edit file path for attribute: GDI connection library** dialog box appears ([Figure 3](#)).

Figure 3. Edit file path for attribute: GDI connection library Dialog Box



- iii) Enter the file path in the text box, alternatively, click the **File System** to select the directory path and click **OK** (Figure 4).
The file path appears in the **Value** column.

Figure 4. GDI Generic Connection Settings — File Path



- iv) Click **OK**. The **Properties for <connection_name>** dialog box closes.
- v) Save the changes and close the **Debug Configurations** dialog box.

Table 1 lists the architecture and their OSBDM run control libraries.

Table 1. FSL OSBDM DLLs

Architecture	FSL OSBDM DLL
HCS08	E_osbdm-jm60_gdi_hcs08.dll
RS08	E_osbdm-jm60_gdi_rs08
ColdFire V1	E_osbdm-jm60_gdi_cfv1
ColdFire V234	E_osbdm-jm60_gdi_cfv234

3.2 Second Method (Easy)

1. Open the following file with an xml editor:
`{CodeWarrior_install_dir}\eclipse\plugins\com.freescale.mcu.debug.connections_{10.1.1.FSL_b5491 | or other versions}\plugin.xml`
2. Uncomment (remove the xml comment tag) the xml tags that refers to OSBDM. You can identify the XML tags that needs to be uncommented by the preceding comments like, *Uncomment to enable Freescale OSBDM JM60 connections.*

3. Save and restart the CodeWarrior IDE.

Once the CodeWarrior IDE launches, open the RSE connection dialog box and select the OSBDM connection.

NOTE After installing the project importer update (> 1.1.6.FSL_b02060), the FSL OSBDM connection translates into P&E OSBDM.

NOTE Installing the service pack sets the classic project importer, instead of the FSL OSBDM connection, the P&E MultiLink/OSBDM connection.

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